

Work Order ID 139278

139278

November 19, 2015 10:06:26 AM

Page 1

Item ID: D412-702-011

Accept

N900040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Shoulder Harness loops over existing lap belts, 13 Man Configuration

Start Date: 11/19/2015 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 12/17/2015 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: SH Date: 20151119

Tooling:

Date:

Run Start

NR1

QC: Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
N/A	Rev E

100	Document Control	0.00	DAS	6					
100	DOCUMENT CONTROL		9-89						
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPPD412-702-011 CHG002								

ML5 1511-25

1X DAS 28 9-89 DEC 11 2015

110	Pick Kit	0.00							
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110									
Packaging	Memo	0.00							
Packaging									

1X DAS 26 9-89 NOV 25 2015

120	QC4- 100% Inspect kits for completeness	0.00							
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120									
QC	Memo	0.00							
Quality Control									

1X DAS 28 9-89 DEC 14 2015

Work Order ID 139278***139278***

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Item ID: D412-702-011 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Shoulder Harness loops over existing lap belts, 13 Man Configuration
Start Date: 11/19/2015 Start Qty: 1.00 ***1*** Cust Item ID:
Required Date: 12/17/2015 Req'd Qty: 1.00 ***1*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-702-011								
	Location: _____								
	PPP Rev: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

1X **DAS**
28
9-89 **DEC 14 2015**

ML5 **DEC 14 2015**

ML5 **DEC 14 2015**

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">Skid-tube ☐</td> <td style="width: 15%;">Cross tube ☐</td> <td style="width: 15%;">Water Jet ☐</td> <td style="width: 15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
										QC / QA Coordinator Approval															
Root Cause <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;"> Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ </td> <td style="width: 50%;"> No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ </td> </tr> </table>		Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	FAULT CATEGORY <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"> Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ </td> <td style="width: 33%;"> Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ </td> <td style="width: 33%;"> Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ </td> <td style="width: 33%;"> Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐ </td> </tr> </table>						Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐												
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OTHER : ☐																									

Picklist Print

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Page 1

Work Order ID: 139278

139278

Parent Item: D412-702-011

D412-702-011

Parent Item Name: Shoulder Harness loops over existing lap belts, 13 Man Configuration

Start Date: 11/19/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPPRRev:A03.10.17New issueKJ/RF

IPP Rev:B06.04.03As per DSI9324 JLM

IPP rev C 06.12.14 per ecn871 ec

IPP Rev:D 07-03-14 As per DSI9351 JLM

IPP Rev:E 07-07-28 As per Rev E JLM Verified By:ec

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

AN4-13A

Purchased

No

120

Each

251.0000

4

4

AN4-13A

Bolt

**

~~m127670~~ DAS 26 9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

FG

20

122808

20

GA

82

m133284

82

ST343

149

m133483

149

AN4-20A

Purchased

No

120

Each

142.0000

8

8

AN4-20A

Bolt

**

DAS
26
9-89

DAS
28
9-89

Location

Loc Qty

Loc Code

GA

24

m116419

24

ST325A

100

m132680

100

ST343

18

m127290

8

m132617

10

NOV 25 2015

SX

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Work Order ID: 139278

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Parent Item: D412-702-011

D412-702-011

Parent Item Name: Shoulder Harness loops over existing lap belts, 13 Man Configuration

Start Date: 11/19/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

AN4-5A Purchased No 120 Each 136.0000 4 4

AN4-5A

BOLT

**

DAS
26
9-89

DAS
28
9-89

Location	Loc Qty	Loc Code
CA	55	
m129682	55	
ST325A	50	
m133064	50	
ST345	31	
120562	4	
6651	1	
m132317	26	

D3195-041 Manufactured No 120 Each 6.0000 2 2

D3195-041

Bracket

**

DAS
28
9-89

Location	Loc Qty	Loc Code
ST021	6	
135729	6	

D3195-043 Manufactured No 120 Each 7.0000 2 2

D3195-043

Bracket

**

DAS
28
9-89

Location	Loc Qty	Loc Code
ST021	7	
134922	1	
135730	6	

D3196-1 Manufactured No 120 Each 5.0000 1 1

D3196-1

Bar

**

DAS
28
9-89

Location	Loc Qty	Loc Code
ST256	5	
135581	5	

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Work Order ID: 139278

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Parent Item: D412-702-011

D412-702-011

Parent Item Name: Shoulder Harness loops over existing lap belts, 13 Man Configuration

Start Date: 11/19/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

D3196-3 Manufactured No 120 Each 2.0000 1 1

D3196-3

Bar

DAS
28
9-89

**

Location Loc Qty Loc Code

ST256 2
118832 2

D3196-4 Manufactured No 120 Each 1.0000 1 1

D3196-4

Bar

DAS
28
9-89

**

Location Loc Qty Loc Code

ST256 1
124176 1

D3197-041 Manufactured No 120 Each 5.0000 2 2

D3197-041

Bar

DAS
28
9-89

**

Location Loc Qty Loc Code

ST256 5
135642 4
137480 1

D3198-1 Manufactured No 120 Each 10.0000 4 4

D3198-1

Fitting

DAS
28
9-89

**

Location Loc Qty Loc Code

ST021 10
135467 4
136514 6

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Work Order ID: 139278

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Parent Item: D412-702-011

D412-702-011

Parent Item Name: Shoulder Harness loops over existing lap belts, 13 Man Configuration

Start Date: 11/19/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

D3215-041 Manufactured No 120 Each 6.0000 18 18 ****** 139278 X 12 **DAS 26 9-89**

D3215-041

Harness Assembly

DAS 26 9-89

Location	Loc Qty	Loc Code
ST464	6	
<u>108648</u>	2	
<u>119020</u>	4	

D3215-043 Manufactured No 120 Each 4.0000 4 4 ****** **DAS 26 9-89**

D3215-043

Harness Assembly

DAS 26 9-89

Location	Loc Qty	Loc Code
ST464	4	
<u>120559</u>	2	
<u>132215</u>	2	

D3268-1 Manufactured No 120 Each 11.0000 2 2 ****** **DAS 26 9-89**

D3268-1

Placard

DAS 26 9-89

Location	Loc Qty	Loc Code
ST028	11	
<u>135643</u>	11	

D3546-1 Manufactured No 120 Each 22.0000 2 2 ****** **DAS 26 9-89**

D3546-1

Clip

DAS 26 9-89

Location	Loc Qty	Loc Code
ST042	12	
<u>118984</u>	12	
ST051A	10	
<u>127598</u>	10	

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D412-702-011

Parent Item Name: Shoulder Harness loops over existing lap belts, 13 Man Configuration

Start Date: 11/19/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

D3551-11

Manufactured No

120 Each

35.0000

13

13

D3551-11

Hook And Loop Tie

DAS
28
9-89

**

DAS
28
9-89



Location

Loc Qty

Loc Code

ST416

35

135736

35

13

D412-702-069

Manufactured No

120 Each

8.0000

1

1

D412-702-069

Grommet

DAS
28
9-89

**

DAS
28
9-89



Location

Loc Qty

Loc Code

PKg015a

8

121269

8

1

MS21042L4

Purchased No

120 Each

1,786.000

12

12

MS21042L4

Locknut

DAS
28
9-89

**

DAS
28
9-89



Location

Loc Qty

Loc Code

FP001

2

m124231

2

GA

57

m127813

57

ST260a

138

m130799

56

m131803

6

m132262

76

ST303

1420

m133363

1420

12x

ST305

169

m128300

8

m130388

7

m130922

97

m132123

56

m133316

1

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Work Order ID: 139278

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Parent Item: D412-702-011

D412-702-011

Parent Item Name: Shoulder Harness loops over existing lap belts, 13 Man Configuration

Start Date: 11/19/2015

Required Date: 12/17/2015

Start Qty: 1.00

Required Qty: 1.00

MS24694-S152

Purchased

No

120

Each

46.0000

8

8

MS24694-S152

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST287

46

m133011

46

MS24694-S154

Purchased

No

120

Each

31.0000

8

8

MS24694-S154

Screw

DAS
28
9-89

Location

Loc Qty

Loc Code

ST287

31

m131618

11

m133134

20

NAS1149D0463J

Purchased

No

120

Each

4,596.000

20

20

NAS1149D0463J

WASHER

Location

Loc Qty

Loc Code

GA

444

M129390

41

M132035

403

ST260a

1500

M133316

1500

ST263

1210

M133284

1210

ST269

1442

M129682

47

M130799

371

M132317

101

M132677

888

M133077

35

DAS
28
9-89

NOV 25 2015

DAS
28
9-88

6.0 PARTS LISTS

QTY -011	QTY -013	QTY -015	QTY -017	QTY -019	Part Number	Description
X					D412-702-011	Dart 13-Man Shoulder Harness Kit
	X				D412-702-013	Dart 5-Man Forward Facing Shoulder Harness Kit
		X			D412-702-015	Dart 4-Man Aft Facing Shoulder Harness Kit
			X		D412-702-017	Dart 4-Man Side Facing Shoulder Harness Kit
				X	D412-702-019	Dart 1-Man Forward Facing Shoulder Harness Kit
1	1		1	1	D412-702-069	GROMMET KIT
2	2				D3195-041	BRACKET
2	2				D3195-043	BRACKET
1	1			1	D3196-1	BAR
1			1		D3196-3	BAR
1			1		D3196-4	BAR
2	2				D3197-041	BAR
4		4			D3198-1	FITTING
18	10		8	2	D3215-041	HARNESS ASSEMBLY
4		4			D3215-043	HARNESS ASSEMBLY
2	2				D3268-1	PLACARD
13	5	4	4	1	D3551-11	HOOK AND LOOP TIE
2	2				D3546-1	CLIP
4		4			AN4-5A	BOLT
4	4				AN4-13A	BOLT
8		8			AN4-20A	BOLT
20		20			AN960JD416	WASHER (OR NAS1149D0463J)
12		12			MS21042L4	NUT (OR MS21042-4)
8	2		6	2	MS24694-S152	SCREW
8	2		6	2	MS24694-S154	SCREW